

*Ans B<sup>6</sup>*  
**CLAIMS**

- B6*
1. The use of nanoscale antimicrobial agents with a particle diameter in the range from 5 to 500 nm for the production of body deodorants.
  2. The use claimed in claim 1, characterized in that the antimicrobial agents are active against gram-positive bacteria.
  3. The use claimed in claims 1 and/or 2, characterized in that the antimicrobial agents are active against *Corynebacterium xerosis*.
  4. The use claimed in at least one of claims 1 to 3, characterized in that salicylic acid-n-octyl amide and/or salicylic acid-n-decyl amide are used as the antimicrobial agent.
  5. The use claimed in at least one of claims 1 to 3, characterized in that 2,4,4'-trichloro-2'-hydroxydiphenyl ether is used as the antimicrobial agent.
  6. The use claimed in at least one of claims 1 to 3, characterized in that an antimicrobial perfume is used as the antimicrobial agent.
  - 15 7. The use claimed in at least one of claims 1 to 6, characterized in that nanoscale active principles obtained by
    - (a) introducing active principles into a liquid phase in which they are insoluble,
    - 20 (b) heating the resulting mixture to beyond the melting point of the active principles,
    - (c) adding an effective quantity of at least one emulsifier to the resulting oil phase and finally
    - (d) cooling the emulsion to below the melting point of the active principles
  - 25 are used.
  8. The use claimed in at least one of claims 1 to 7, characterized in that nanoparticles coated with one or more emulsifiers and/or protective colloids are used.

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9. The use claimed in at least one of claims 1 to 8, characterized in that the nanoscale active principles are used in such quantities that the concentration of the antimicrobial active principles present in the nanoparticles is from 0.01 to 5% by weight, based on the preparations.

5 10. The use claimed in at least one of claims 1 to 9, characterized in that the nanoscale active principles are used for the production of deodorizing aerosols, pump sprays, roll-ons and sticks.

11. A body deodorant containing an antimicrobial agent, characterized in that the antimicrobial agent is incorporated in the form of nanoparticles with  
10 a particle diameter of 5 to 500 nm.

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